

CoCoALib - Design #1266

Make a poly ring $QQ[x,y,z]$ also contain a $ZZ[x,y,z]$

28 Mar 2019 16:42 - John Abbott

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|---|--------------|------------------------|-------------|
| Status: | New | Start date: | 28 Mar 2019 |
| Priority: | Normal | Due date: | |
| Assignee: | | % Done: | 0% |
| Category: | Improving | Estimated time: | 0.00 hour |
| Target version: | CoCoALib-1.0 | Spent time: | 0.00 hour |
| Description | | | |
| Idea: every polyring $QQ[x,y,z]$ should also contain a single copy of $ZZ[x,y,z]$. | | | |
| This single copy can then be used whenever computing a GBasis in $QQ[x,y,z]$, rather than creating a new $ZZ[x,y,z]$ for each ideal. | | | |
| Is this a sensible idea? Does it work well in multithreaded contexts? Analyse; discuss; maybe implement. | | | |